

Weeks 5 Laboratory Exercise (Version 2.0)
BE-104, Dr. C. S. Tritt, Spring '05

Due at the start of lab in week 6 (4/14) but may be submitted at any time.

Assignment

Create a simple *Year* class and a short main method to test it. The *Year* class should consist of:

- a) a constructor that takes an type *int* argument representing the Gregorian year and stores it in a member variable,
- b) a type *int* *getYear* method that returns the year number and,
- c) a type *boolean* method, called *isLeapYear*, that returns true if the year is a leap year. A year is a leap year if the year number is evenly divisible by 4 but not 100. You will probably need to read about comparison operators and the boolean primitive type in Chapter 5 of your textbook before doing this project.

Submission and Evaluation Requirements

I suggest you show me your plan (class and main program designs and test vectors) before you start writing code, but this is not required. You must either demonstrate your completed program to me during lab or e-mail it to me as a zip file.

Reference

Problem 5-10 in Wu's "An Introduction to Object-Oriented Programming with Java."